

INTERNATIONAL SEARCH REPORT

IB2004/051050

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G11B27/10 H04N5/783

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04N G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EUNSAM KIM ET AL: "Design and implementation of an enhanced personal video recorder for HDTV" INTERNATIONAL CONFERENCE ON CONSUMER ELECTRONICS. 2001 DIGEST OF TECHNICAL PAPERS. ICCE. LOS ANGELES, CA, JUNE 19 - 21, 2001, NEW YORK, NY : IEEE, US, 19 June 2001 (2001-06-19), pages 316-317, XP010552182 ISBN: 0-7803-6622-0 page 316 - page 317	1-43
X	EP 1 182 584 A (LG ELECTRONICS INC) 27 February 2002 (2002-02-27) the whole document ----- -/--	1-43

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
 "&" document member of the same patent family

Date of the actual completion of the international search

29 November 2004

Date of mailing of the international search report

10.02.2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/178453 A1 (KANG BAE GUEN ET AL) 28 November 2002 (2002-11-28) the whole document	1-43
E	WO 2004/059971 A (JUN SUNG-BAE ; KIM TAE-HYOUNG (KR); YOON KYOUNG-RO (KR); LG ELECTRONIC) 15 July 2004 (2004-07-15) the whole document	1,31,39, 41-43
X	US 2002/061183 A1 (MACINNIS ALEXANDER G) 23 May 2002 (2002-05-23) paragraph [0072] - paragraph [0139]	1-43
X	US 2002/034374 A1 (BARTON JAMES M) 21 March 2002 (2002-03-21) abstract paragraph [0020] paragraph [0058] - paragraph [0069]	1-43
X	US 2003/026589 A1 (RAMSAY MIKE ET AL) 6 February 2003 (2003-02-06) figures 3,4 abstract	1-43
X	US 6 463 486 B1 (RAJA JAYACHANDRAN ET AL) 8 October 2002 (2002-10-08) paragraph [0064]; figures 1-26	1-43
X	EP 1 174 879 A (SONY CORP) 23 January 2002 (2002-01-23) paragraph [0010]; figures 1-9	1-31,39, 41-43
X	WO 03/019932 A (TIVO INC) 6 March 2003 (2003-03-06) page 10, second paragraph - page 11, bottom	1,31,39, 41-43
X	US 2002/150383 A1 (KATO MOTOKI ET AL) 17 October 2002 (2002-10-17) paragraph [0158] paragraph [0223]	1,31,39, 41-43
A	US 6 501 902 B1 (WANG HUNG-MIN) 31 December 2002 (2002-12-31) the whole document	1-43
P,X	US 2003/160944 A1 (UCHIHASHI SHINGO ET AL) 28 August 2003 (2003-08-28) abstract	1-43
A	US 2002/002564 A1 (MUNETSUGU TOSHIHIKO ET AL) 3 January 2002 (2002-01-03) abstract	1-43

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-43

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-43

I:Claims 1 to 40 directed to trick play including skimming and (claims 41 to 43:) positional indicators
Independent claims 1, 31 and 39 define a normal and trick play, fast skim clips and a skimming speed being different from the normal speed. In addition independent claims 41, 42 and 43 define a predetermined normal direction with a average speed being faster than the normal speed and storing performance along with indications of positions of the trick play clips.

2. claims: 44-46

II:Claims 44 to 46 are directed to video cassette player with hardware and positional dependent processing of frames. Independent claim 44 defines a video cassette player with hardware components such as openings, heads, drive and controller with played start frames and skipped end frames (in first and second track portions) or fast forward.

3. claims: 47-50

III Claims 47 to 50 directed to a multimedia performance. Independent claim 47 defines a method for a multimedia performance for first and second media, intermixed decoding, a normal clip or frame order and multiples of normal speed.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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